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E1G 41 42 44C2

(56) Documents cited

GB A 2077332 GB 1194780 US 4090465

GB 1577640 GB 0919789 US 3795220

GB 1403366 US 3499413

US 2719505

(58) Field of search

E1G

(54) Portable road markers

(57) A portable warning device or marker, as used at roadworks or for traffic control and the like, comprises a wide circular base having a central hollow upstanding projection which either, Fig. 1, consists of a thin-walled dome A having a number of apertures B or, Fig. 3, consists of a hollow truncated triangular pyramid formed by membranes E supported by ribs D. The marker, which may be of plastics, is coloured and reflective; it can be placed on the ground without fixing and, if run over, will deform elastically, resist displacement and then return to its original shape.

FIG. 1.

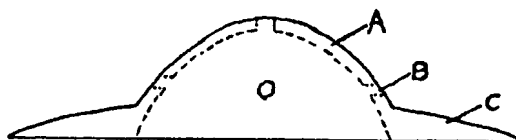
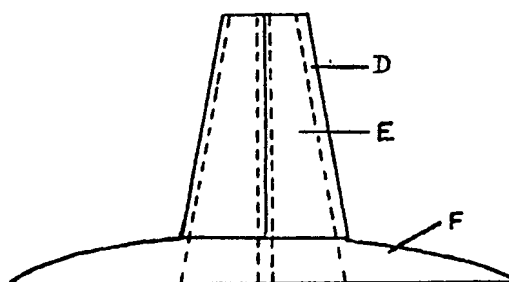


FIG. 3



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SHEET 1
ORIGINAL

FIG. 1.

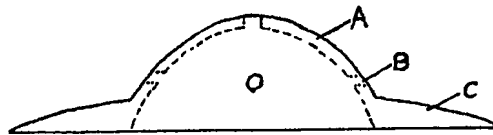
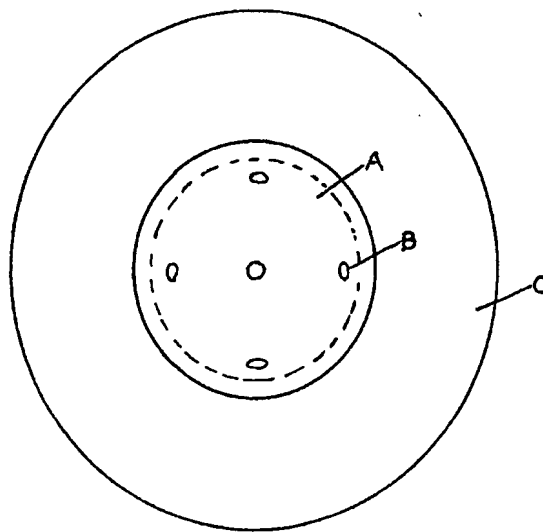


FIG. 2.



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FIG. 3

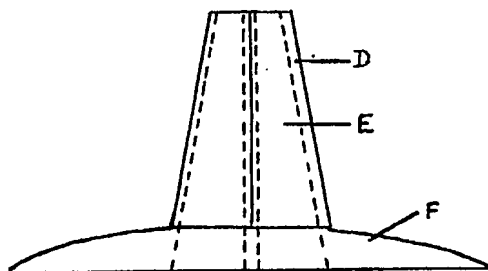
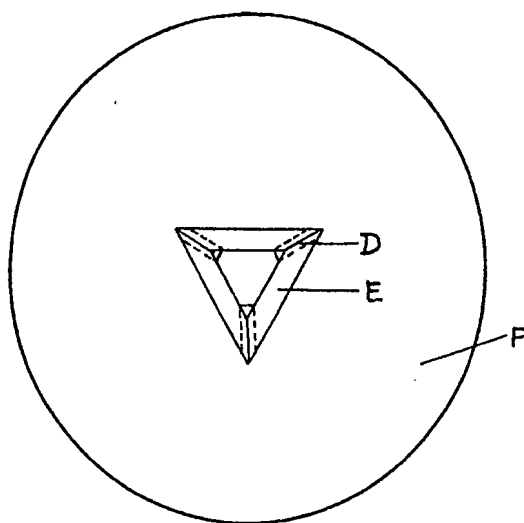


FIG. 4.



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SPECIFICATION

Elastic warning devices

- 5 The invention is in the field of warning devices as used, for example, at roadworks or by police for traffic control.

The background art is the design of warning devices such as road cones.

- 10 The invention is in the use of suitable materials with suitable designs to make devices which can be placed without fixing and which, if run over, deform elastically, resisting displacement and then return to the original shape.

The advantage is over the usual rigid or semi-rigid cones, which are often knocked over and are subject to damage when run over.

- 20 The diagrams show two possible designs.
Figure 1 Elevation of a thin dome with a wide, circular base. This will stack.

Figure 2 Plan of the above.

- Figure 3* Elevation of a wide circular base with three membranes supported, in an upright position, by three ribs in a tapering triangular cross-section. This will stack.

Figure 4 Plan of the above.

- 30 Key to drawings.

Figs. 1 and 2. A—Thin dome.
 B—Holes.
 C—Base.

Figs. 3 and 4 D—Rib.

- 35 E—Membrane.
 F—Base.

- Figs. 1 and 2, the dome, represent the best mode contemplated for carrying out the invention claimed.

The invention could be exploited as an alternative to the more rigid cones used at present.

- It could be manufactured in moulded plastic or similar material. The material would be relatively soft and elastic over an adequate temperature range with a high coefficient of friction. It would be brightly coloured and reflective.

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CLAIMS

- A warning device or marker, as used at roadworks or for traffic control and the like, which can be placed on the ground without fixing and, if run over, will deform elastically, resist displacement and then return to its original shape.